SSL VPN Service

Note: This guide was written using Windows 7 ® with Internet Explorer® 8. The same principles and techniques are applicable to new versions of Internet Explorer® as well as Firefox®. Any significant differences will be outlined in this document if possible. Also note that other browsers or operating systems will present slightly different verbiage/dialogue boxes but the answers/options should follow the same principles.

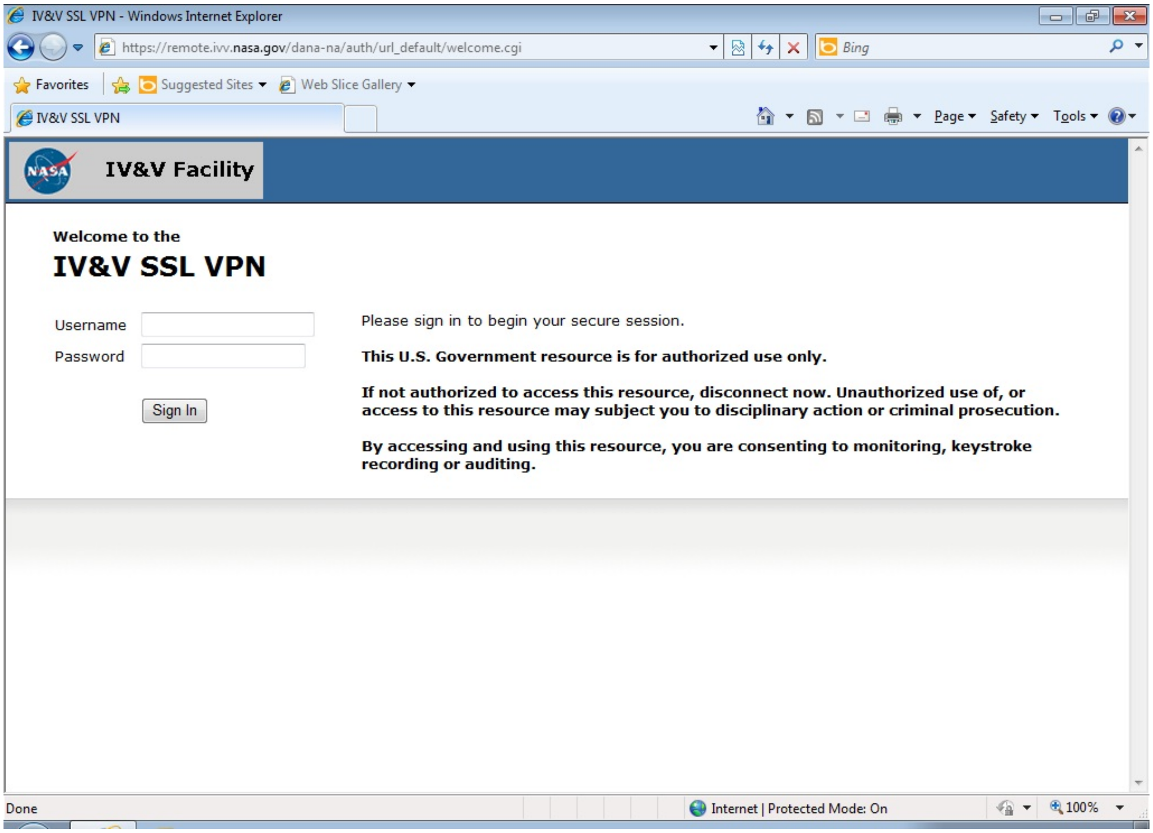
Based on your configuration, your browser, and other settings, the prompts that you receive and the order in which they are received are likely to be different than outlined below. Please "Allow" changes, click "Yes", and allow the program to "Run" when prompted.

To get started using the NASA IV&V/WVU SSL VPN service, you must verify that you meet all required criteria specified here:

http://www.nasa.gov/centers/ivv/foremployees/employees_ra_requirements.html

After you have verified the requirements, open the browser of your choice and enter the following in the address bar: https://remote.ivv.nasa.gov. Upon opening the page you will be presented with a window similar to the one below.

Enter your Agency UserID and PIN+Token to sign in



IV&V SSL VPN - Windows Internet Explorer
https://remote.ivv.nasa.gov/dana-na/auth/url_default/welcome.cgi
Bing
Favorites
Suggested Sites
Web Slice Gallery
IV&V SSL VPN
Page
Safety
Tools
IV&V Facility
Done
Internet | Protected Mode: On
100%

Welcome to the
IV&V SSL VPN

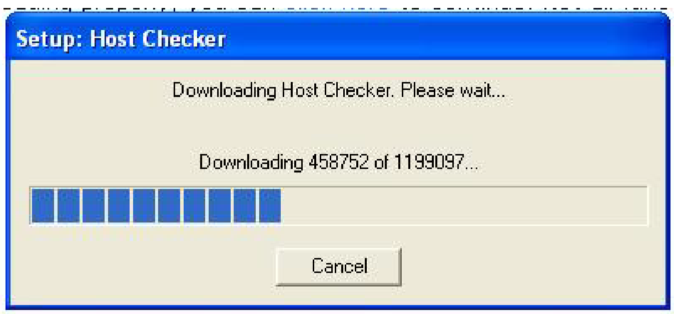
Username
Password
Sign In

Please sign in to begin your secure session.

This U.S. Government resource is for authorized use only.

If not authorized to access this resource, disconnect now. Unauthorized use of, or access to this resource may subject you to disciplinary action or criminal prosecution.

By accessing and using this resource, you are consenting to monitoring, keystroke recording or auditing.

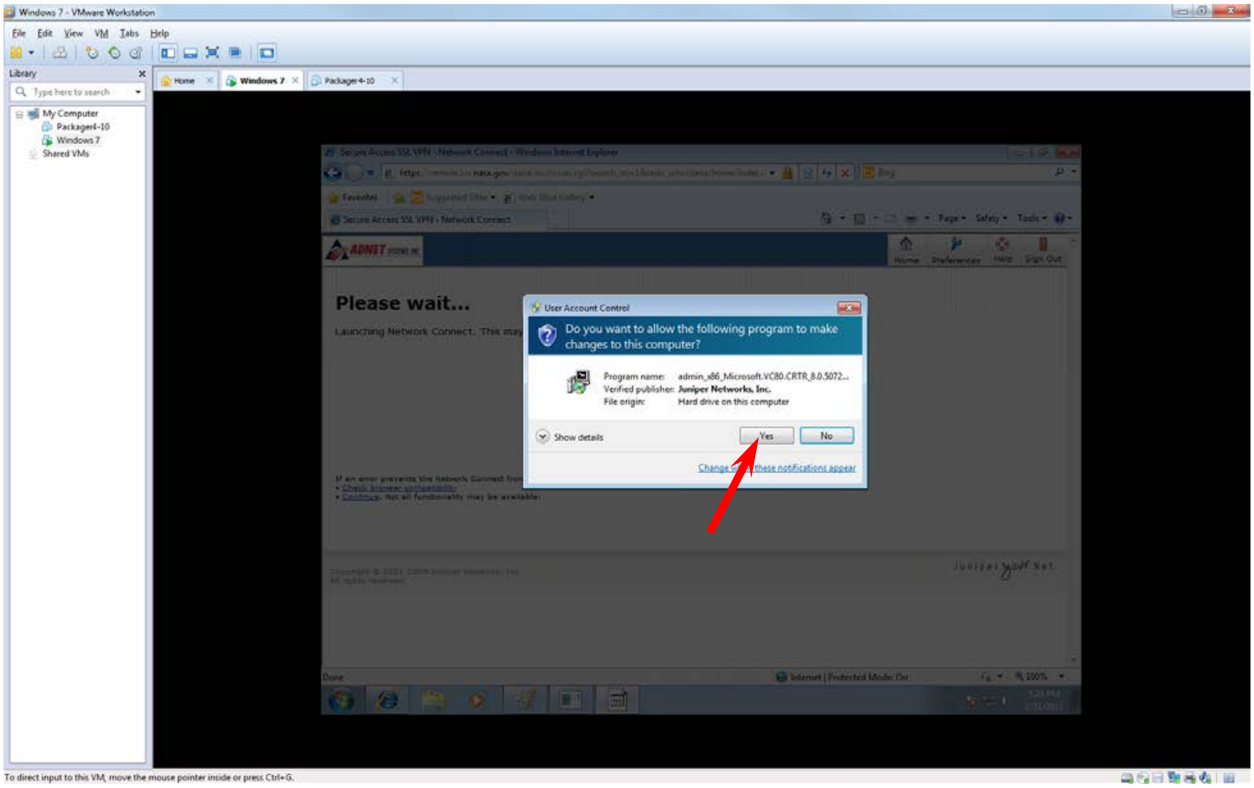


Setup: Host Checker

Downloading Host Checker. Please wait...

Downloading 458752 of 1199097...

Click "Yes" to allow this to install.



Windows 7 - VMware Workstation
File Edit View VM Tabs Help
Library
Type here to search
My Computer
Packager4-10
Windows 7
Shared VMs
Home
Windows 7
Packager4-10
Secure Access SSL VPN - Network Connect - Windows Internet Explorer
Favorites
Secure Access SSL VPN - Network Connect
Page
Safety
Tools
Home
Preferences
Help
Sign Out

Please wait...

Launching Network Connect. This may

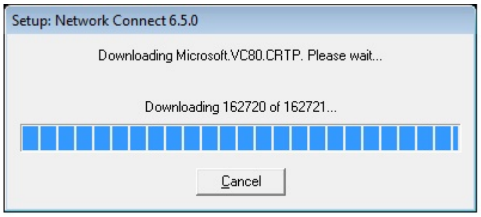
User Account Control

Do you want to allow the following program to make changes to this computer?

Program name: admin_x86_Microsoft.VC80.CRTR_8.0.5072...
Verified publisher: **Juniper Networks, Inc.**
File origin: Hard drive on this computer

Show details
Yes
No
Change when these notifications appear
Internet | Protected Mode: On
100%

To direct input to this VM, move the mouse pointer inside or press Ctrl+G.

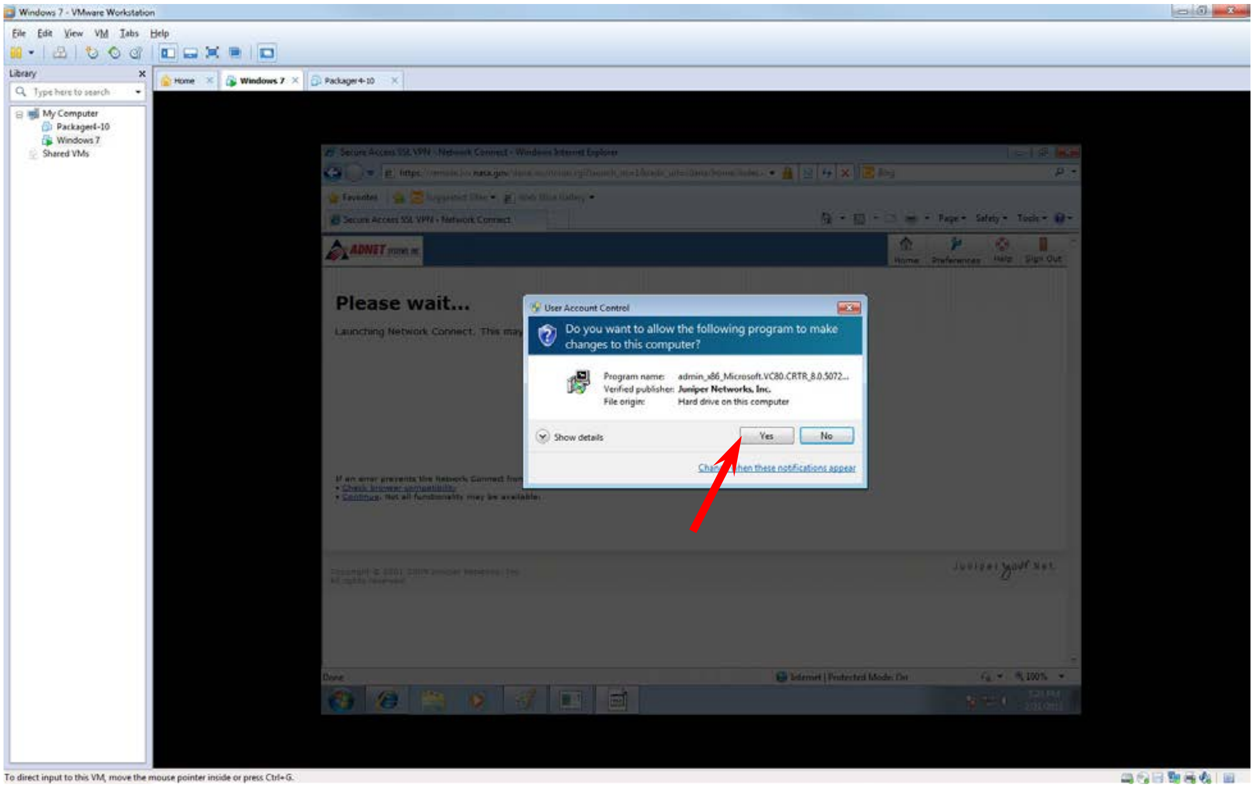


Setup: Network Connect 6.5.0

Downloading Microsoft.VC80.CRTP. Please wait...

Downloading 162720 of 162721...

Click “Yes” to continue



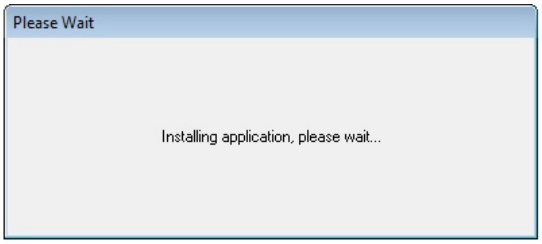
User Account Control

Do you want to allow the following program to make changes to this computer?

Program name: admin_x86_Microsoft.VC80.CRTR_8.0.5072...
Verified publisher: **Juniper Networks, Inc.**
File origin: Hard drive on this computer

Please wait...

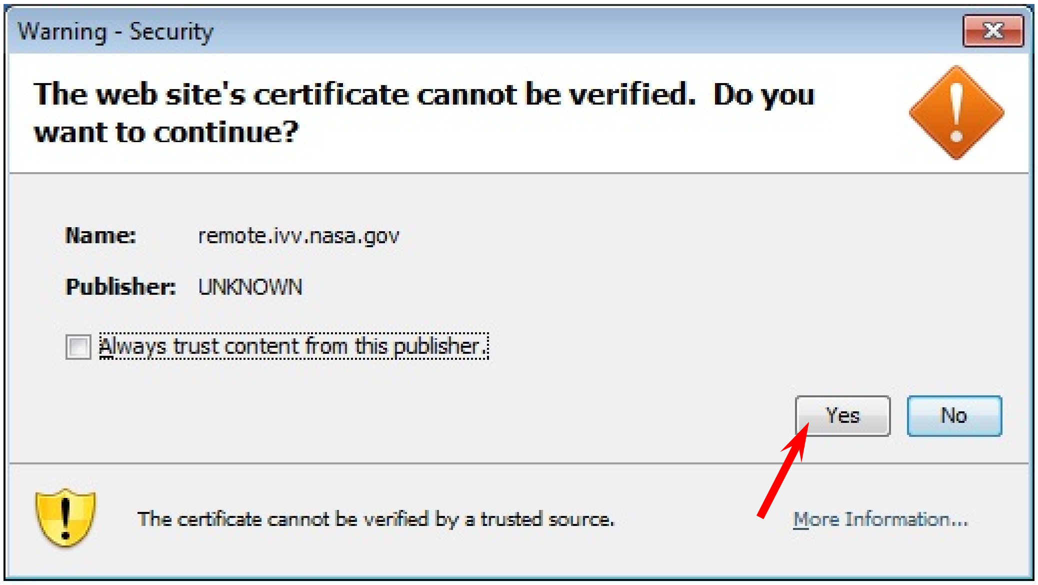
To direct input to this VM, move the mouse pointer inside or press Ctrl+G.



Please Wait

Installing application, please wait...

Click "Yes" to continue



Warning - Security

The web site's certificate cannot be verified. Do you want to continue?

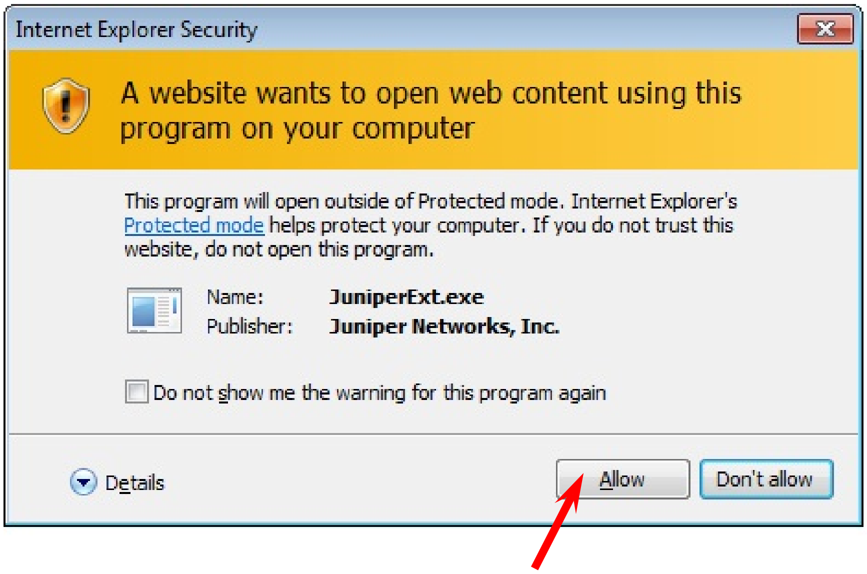
Name: remote.ivv.nasa.gov

Publisher: UNKNOWN

☐ Always trust content from this publisher.

The certificate cannot be verified by a trusted source.

Click “Allow” to continue.



Internet Explorer Security

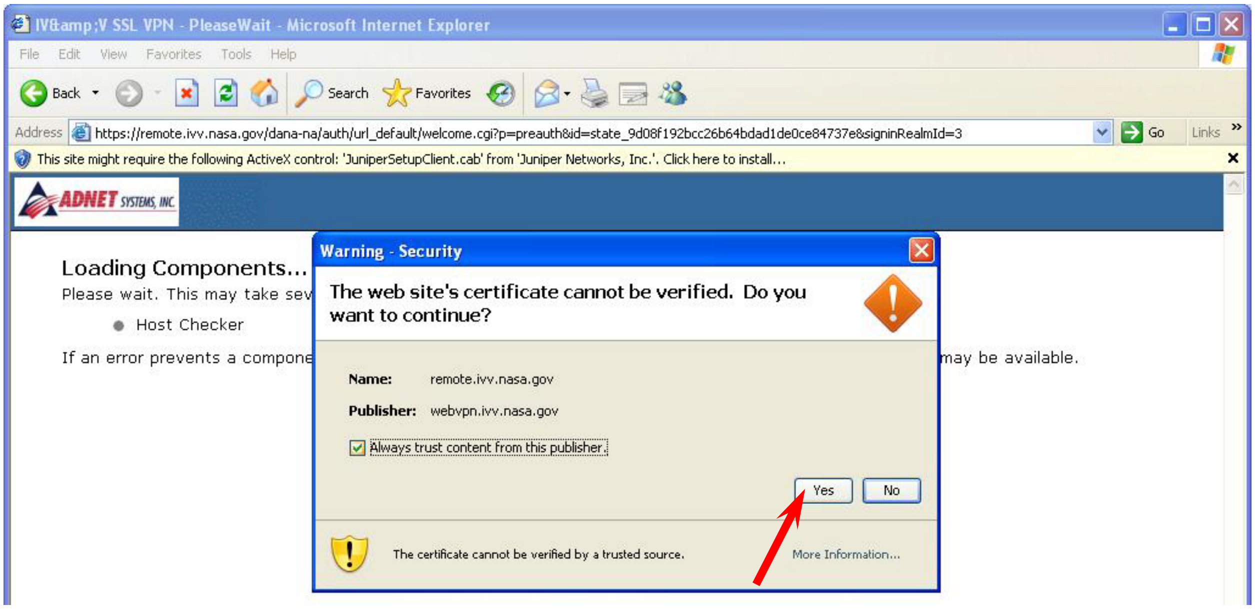
A website wants to open web content using this program on your computer

This program will open outside of Protected mode. Internet Explorer's Protected mode helps protect your computer. If you do not trust this website, do not open this program.

Name: **JuniperExt.exe**
Publisher: **Juniper Networks, Inc.**

□ Do not show me the warning for this program again

Click “Yes” to continue



IV&amp;V SSL VPN - PleaseWait - Microsoft Internet Explorer

https://remote.ivv.nasa.gov/dana-na/auth/url_default/welcome.cgi?p=preauth&id=state_9d08f192bcc26b64bdad1de0ce84737e&signinRealmId=3

This site might require the following ActiveX control: 'JuniperSetupClient.cab' from 'Juniper Networks, Inc.'. Click here to install...

Loading Components...

Please wait. This may take sev

- Host Checker

If an error prevents a compone ... may be available.

Warning - Security

The web site's certificate cannot be verified. Do you want to continue?

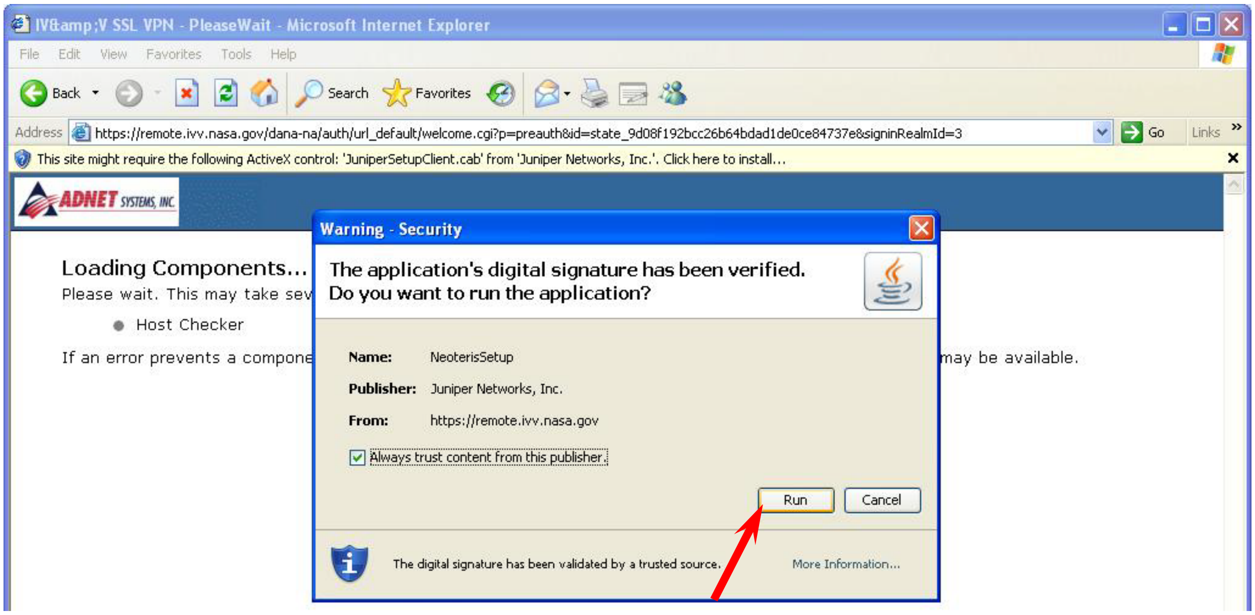
Name: remote.ivv.nasa.gov

Publisher: webvpn.ivv.nasa.gov

☑ Always trust content from this publisher.

The certificate cannot be verified by a trusted source.

Click "Run" to launch the Java Applet


IV&amp;V SSL VPN - PleaseWait - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back
Search
Favorites
Address
Go
Links
ADNET SYSTEMS, INC.

https://remote.ivv.nasa.gov/dana-na/auth/url_default/welcome.cgi?p=preauth&id=state_9d08f192bcc26b64bdad1de0ce84737e&signinRealmId=3

This site might require the following ActiveX control: 'JuniperSetupClient.cab' from 'Juniper Networks, Inc.'. Click here to install...

Loading Components...

Please wait. This may take sev

- Host Checker

If an error prevents a compone ... may be available.

Warning - Security

The application's digital signature has been verified.
Do you want to run the application?

Name: NeoterisSetup

Publisher: Juniper Networks, Inc.

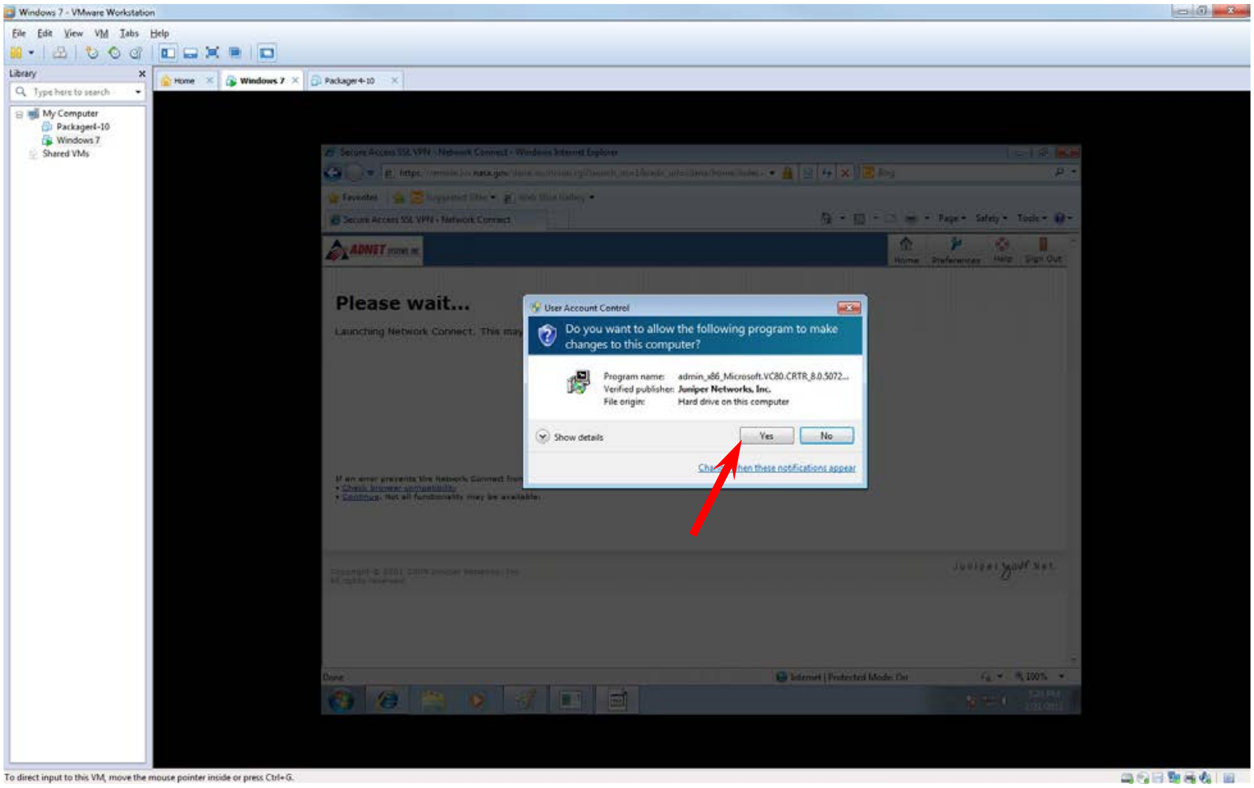
From: https://remote.ivv.nasa.gov

☑ Always trust content from this publisher.

Run Cancel

The digital signature has been validated by a trusted source. More Information...

Click "Run" to continue.



Please wait...

Launching Network Connect. This may

User Account Control

Do you want to allow the following program to make changes to this computer?

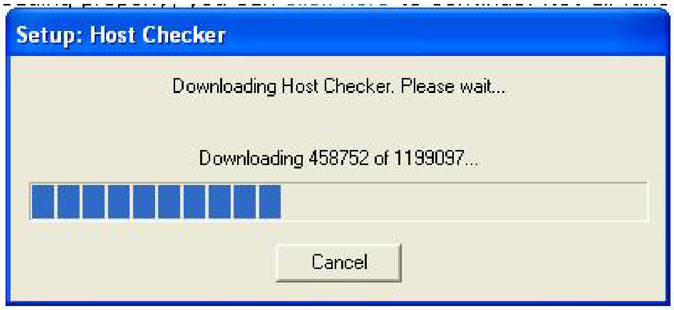
Program name: admin_x86_Microsoft.VC80.CRTR_8.0.5072...
Verified publisher: **Juniper Networks, Inc.**
File origin: Hard drive on this computer

Show details Yes No

Change when these notifications appear

To direct input to this VM, move the mouse pointer inside or press Ctrl+G.

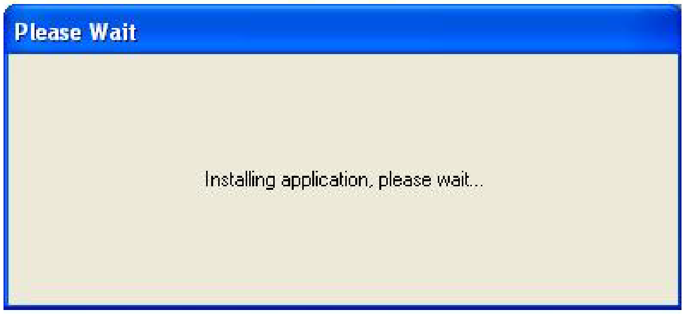
Please wait while the required applications download and install (this is a one-time installation)



Setup: Host Checker

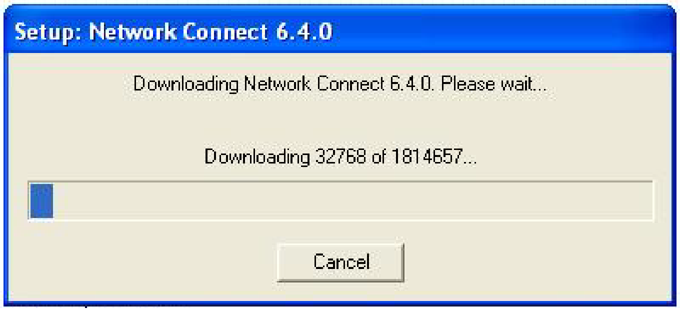
Downloading Host Checker. Please wait...

Downloading 458752 of 1199097...



Please Wait

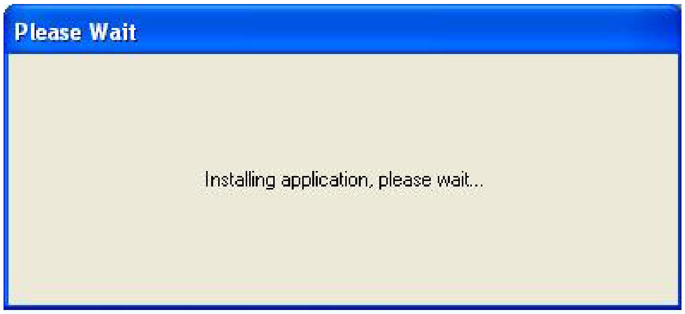
Installing application, please wait...



Setup: Network Connect 6.4.0

Downloading Network Connect 6.4.0. Please wait...

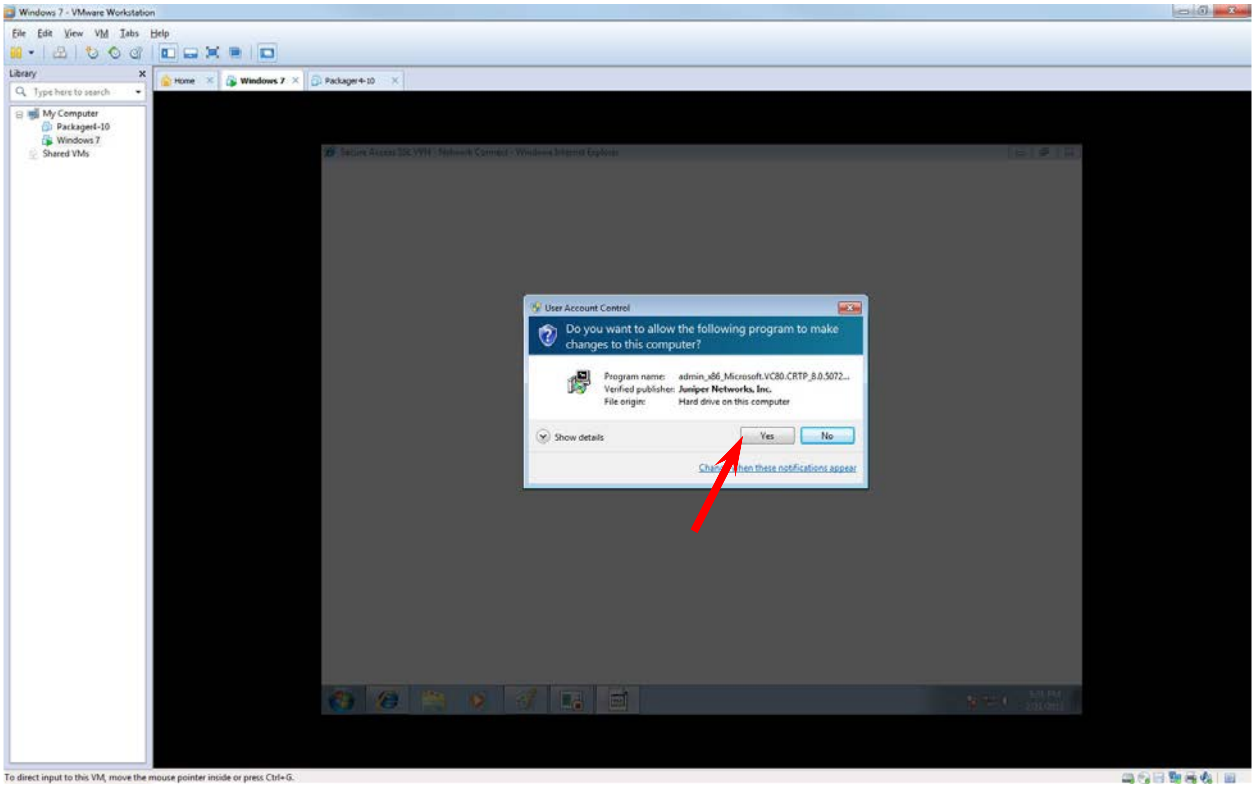
Downloading 32768 of 1814657...



Please Wait

Installing application, please wait...

Click “Yes” to continue



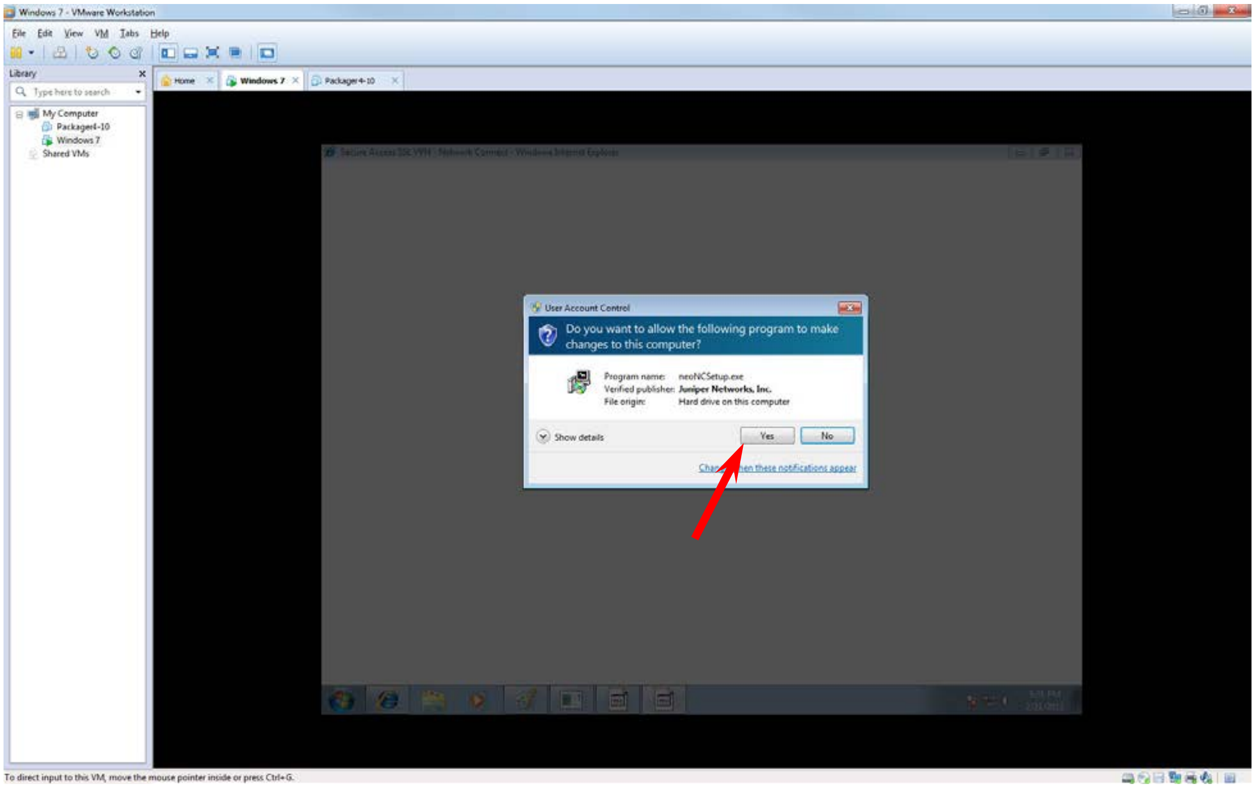
User Account Control

Do you want to allow the following program to make changes to this computer?

Program name: admin_x86_Microsoft.VC80.CRTP_8.0.5072...
Verified publisher: **Juniper Networks, Inc.**
File origin: Hard drive on this computer

To direct input to this VM, move the mouse pointer inside or press Ctrl+G.

Click "Yes" to continue



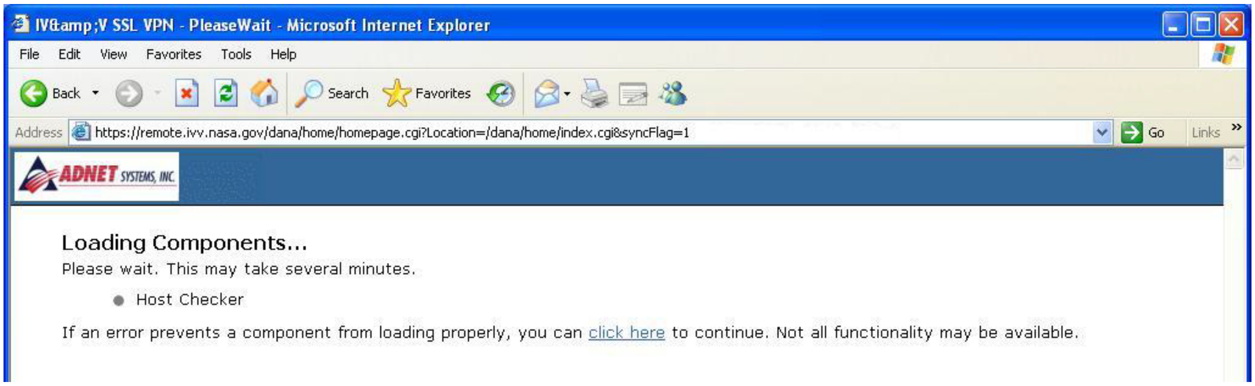
User Account Control

Do you want to allow the following program to make changes to this computer?

Program name: neoNCSetup.exe
Verified publisher: **Juniper Networks, Inc.**
File origin: Hard drive on this computer

To direct input to this VM, move the mouse pointer inside or press Ctrl+G.

After installation completes, the modules will be loaded. If you pass the host integrity check, the Network Connect application will download and install (this is also a one-time installation). Should you fail the Host Integrity check sometime in the future, the Network Connect client will simply disconnect.



IV&amp;V SSL VPN - PleaseWait - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back
Search
Favorites
Address
https://remote.ivv.nasa.gov/dana/home/homepage.cgi?Location=/dana/home/index.cgi&syncFlag=1
Go
Links
ADNET SYSTEMS, INC.

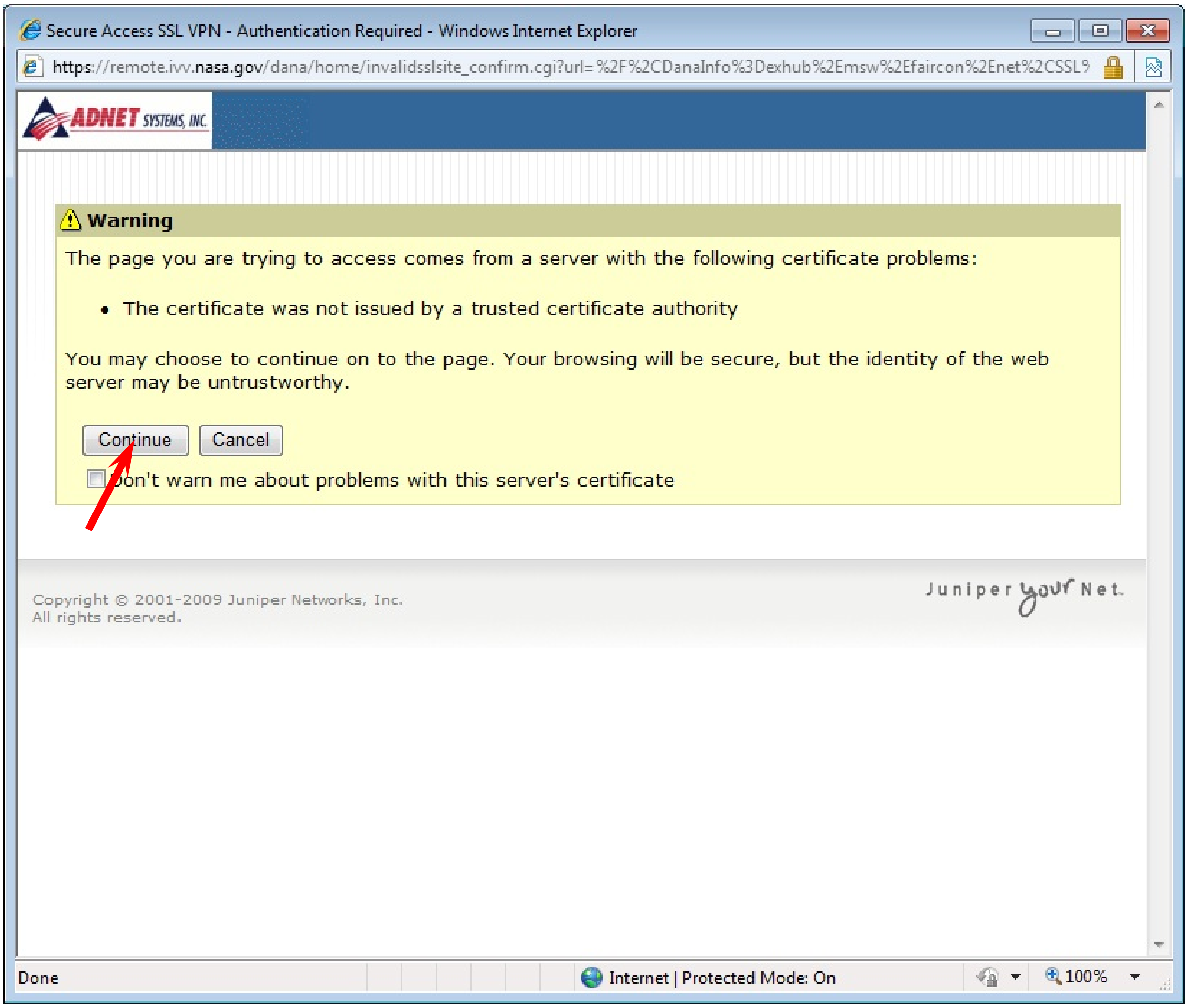
Loading Components...

Please wait. This may take several minutes.

● Host Checker

If an error prevents a component from loading properly, you can click here to continue. Not all functionality may be available.

Host Checker loads and then verifies integrity of your system



Secure Access SSL VPN - Authentication Required - Windows Internet Explorer
https://remote.ivv.nasa.gov/dana/home/invalidsslsite_confirm.cgi?url=%2F%2CDanaInfo%3Dexhub%2Emsw%2Efaircon%2Enet%2CSSL9
ADNET SYSTEMS, INC.

Warning

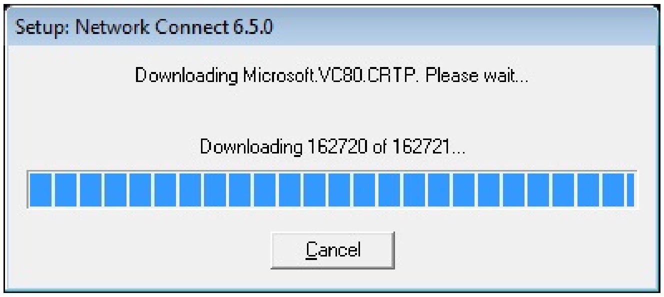
The page you are trying to access comes from a server with the following certificate problems:

- The certificate was not issued by a trusted certificate authority

You may choose to continue on to the page. Your browsing will be secure, but the identity of the web server may be untrustworthy.

□ Don't warn me about problems with this server's certificate

The image above is typical for systems that do not meet the Host Integrity requirements. Please resolve the Reason(s) listed in the message and try again.

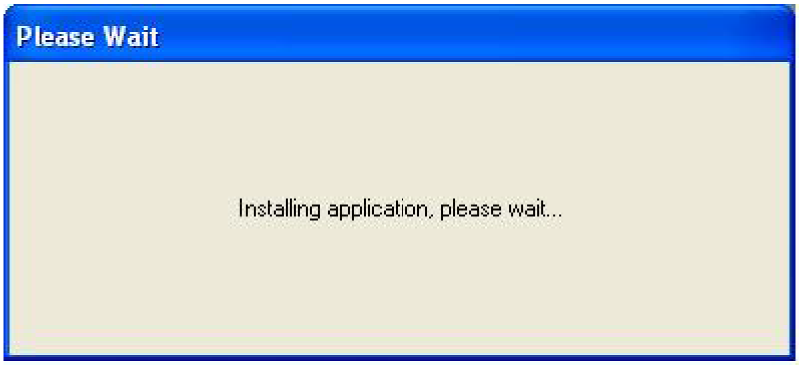


Setup: Network Connect 6.5.0

Downloading Microsoft.VC80.CRTP. Please wait...

Downloading 162720 of 162721...

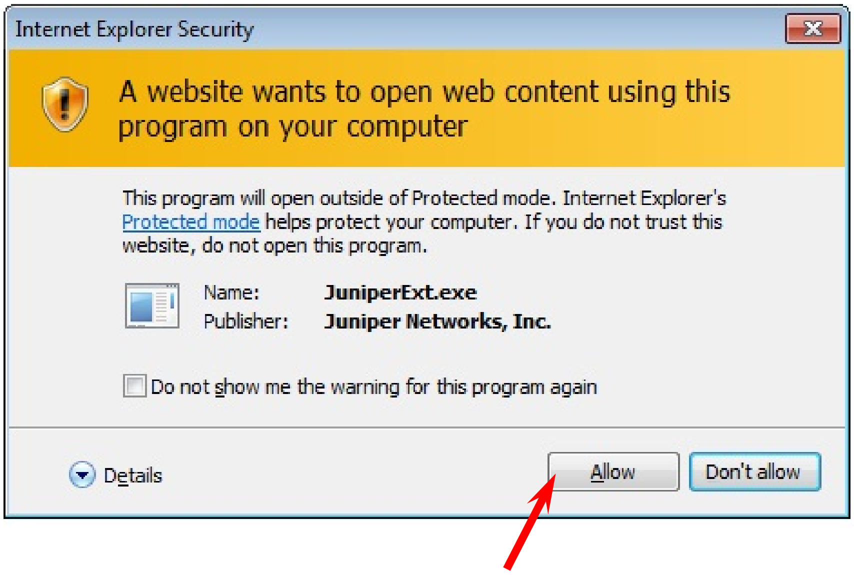
If your system meets all the requirements, the Network Connect software will begin installation



Please Wait

Installing application, please wait...

If your system meets the Host Integrity Requirements, you will receive this message. Click "Allow" to proceed.



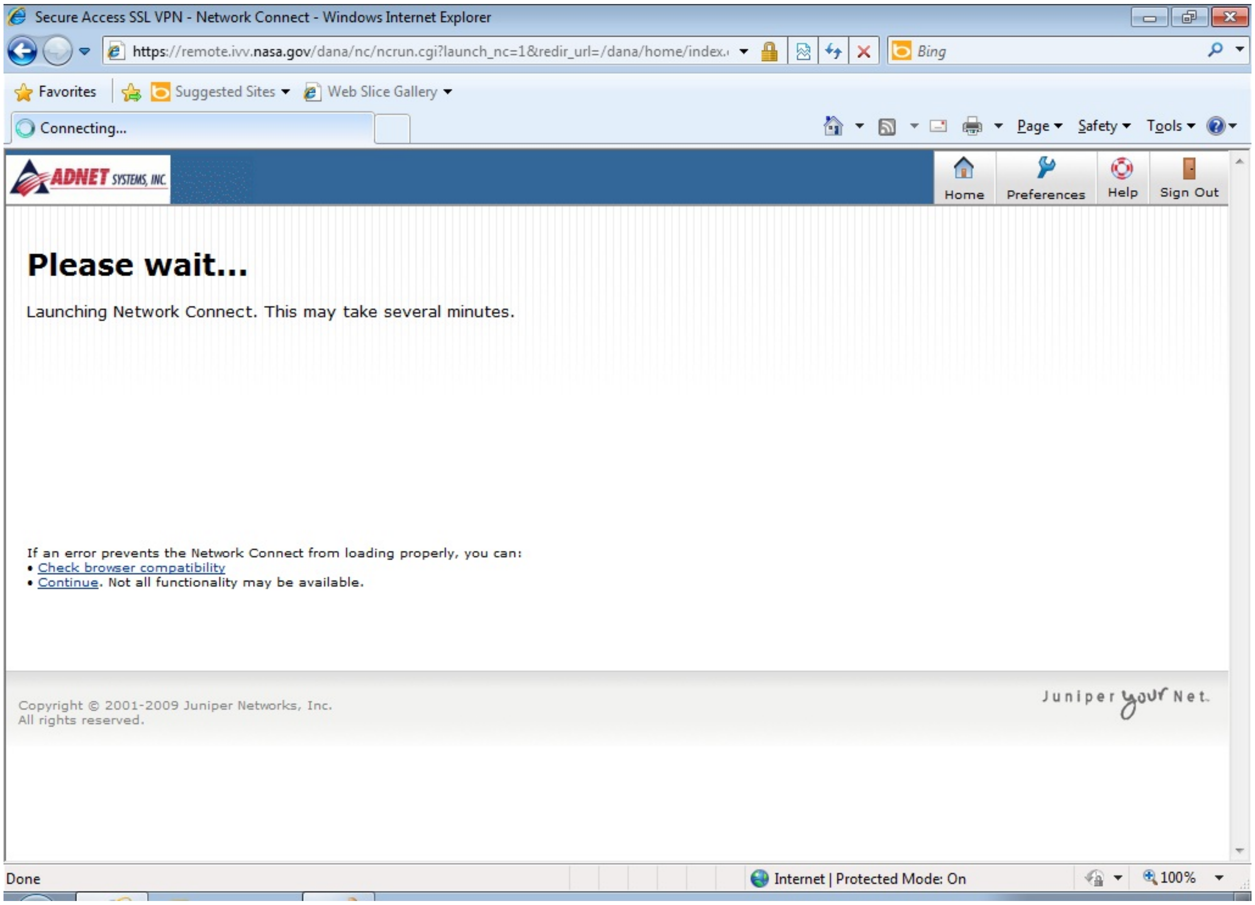
Internet Explorer Security

A website wants to open web content using this program on your computer

This program will open outside of Protected mode. Internet Explorer's Protected mode helps protect your computer. If you do not trust this website, do not open this program.

Name: JuniperExt.exe
Publisher: Juniper Networks, Inc.

□ Do not show me the warning for this program again


Secure Access SSL VPN - Network Connect - Windows Internet Explorer
https://remote.ivv.nasa.gov/dana/nc/ncrun.cgi?launch_nc=1&redir_url=/dana/home/index.
Bing
Favorites
Suggested Sites
Web Slice Gallery
Connecting...
Page
Safety
Tools
ADNET SYSTEMS, INC.
Home
Preferences
Help
Sign Out
Juniper your Net.
Done
Internet | Protected Mode: On
100%

Please wait...

Launching Network Connect. This may take several minutes.

If an error prevents the Network Connect from loading properly, you can:

- Check browser compatibility
- Continue. Not all functionality may be available.

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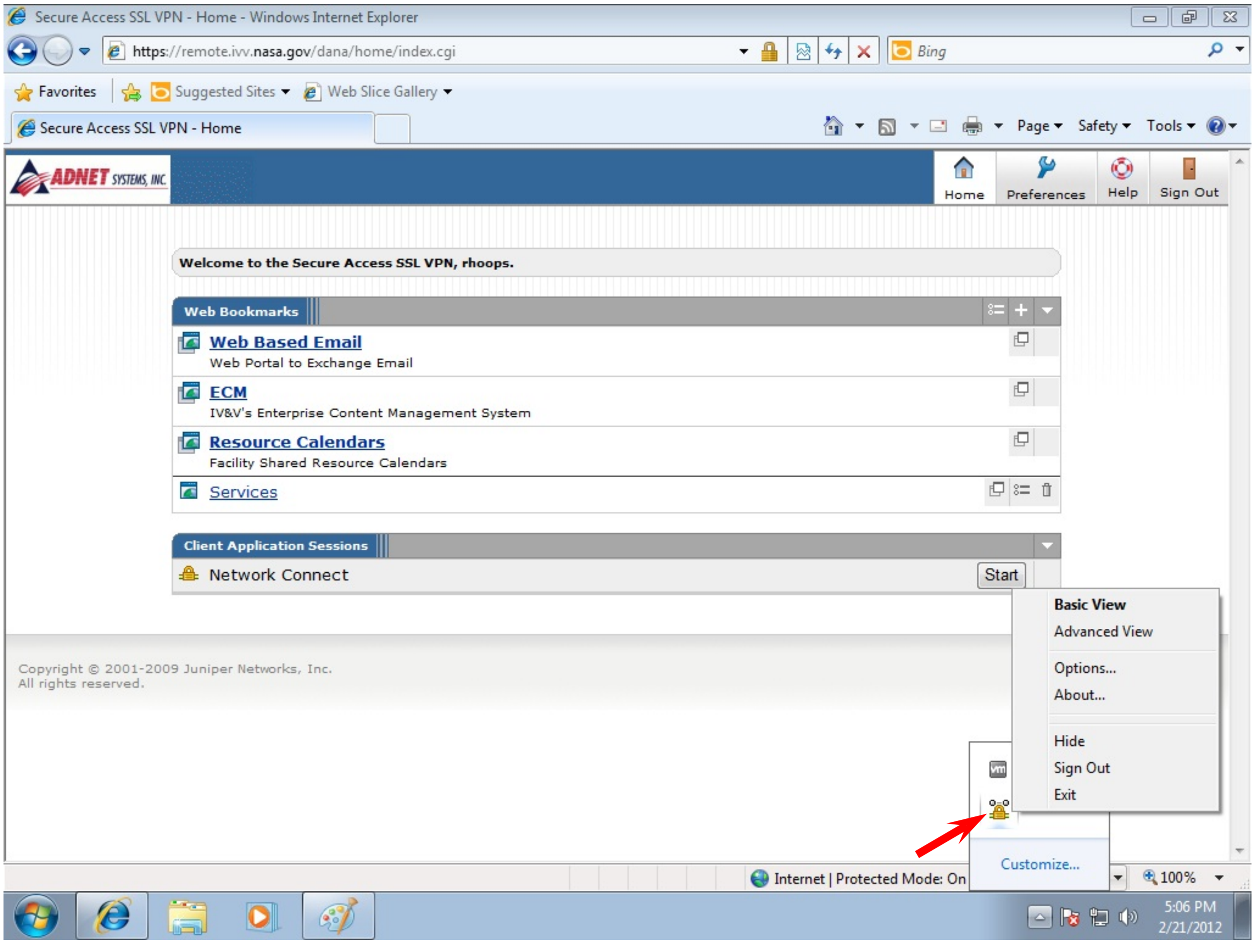
Wait for connection.


Secure Access SSL VPN - Home - Windows Internet Explorer
https://remote.ivv.nasa.gov/dana/home/index.cgi
Bing
Favorites
Suggested Sites
Web Slice Gallery
Secure Access SSL VPN - Home
Page
Safety
Tools
ADNET SYSTEMS, INC.
Home
Preferences
Help
Sign Out

Welcome to the Secure Access SSL VPN, rhoops.

Web Bookmarks

- **Web Based Email** – Web Portal to Exchange Email
- **ECM** – IV&V's Enterprise Content Management System
- **Resource Calendars** – Facility Shared Resource Calendars
- Services

Client Application Sessions

Network Connect – Start

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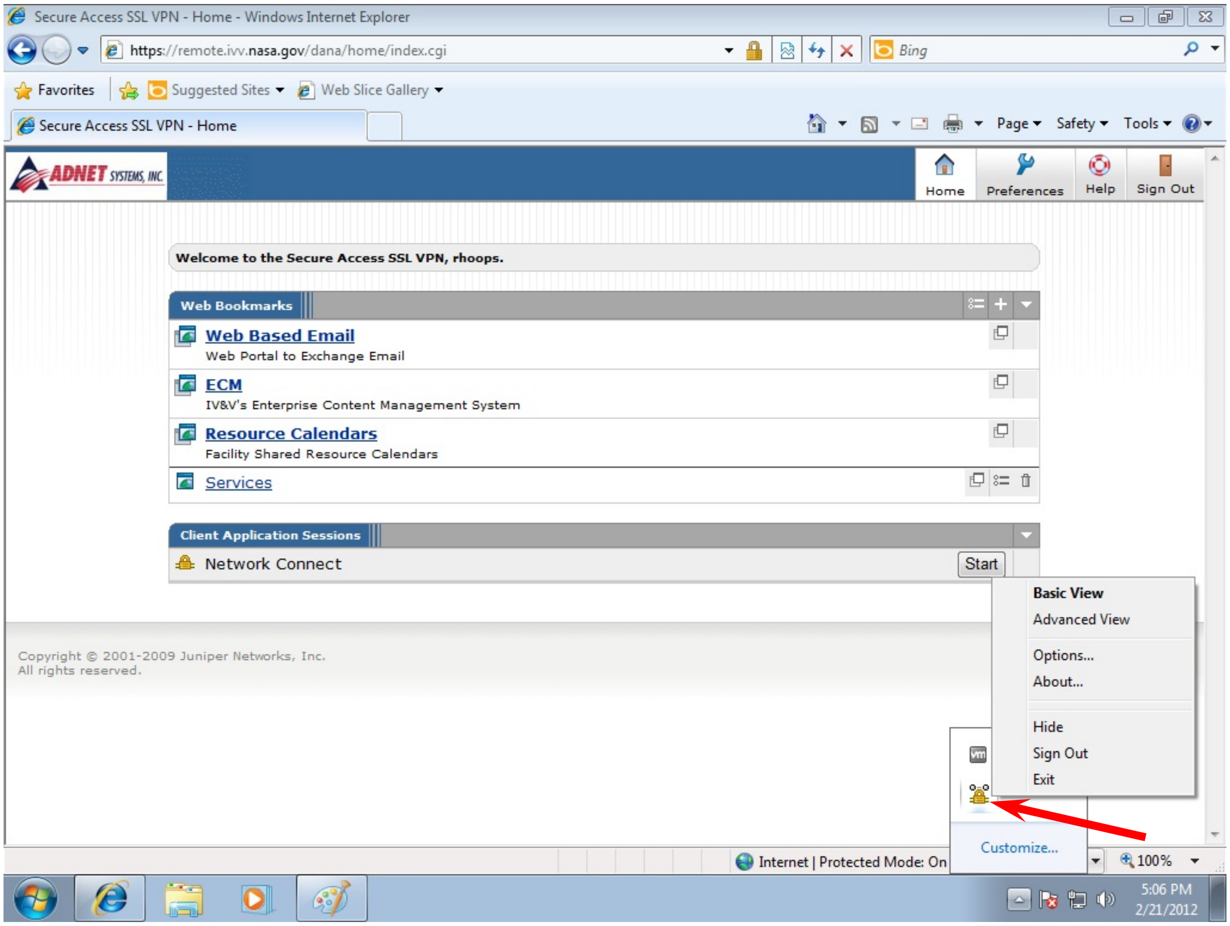
After successfully connecting, your home page will load.

You should see the Network Connect icon in your system tray, pointed to above.



Welcome to the Secure Access SSL VPN, rhoops.

Web Based Email
Web Portal to Exchange Email

ECM
IV&V's Enterprise Content Management System

Resource Calendars
Facility Shared Resource Calendars

Services

Network Connect

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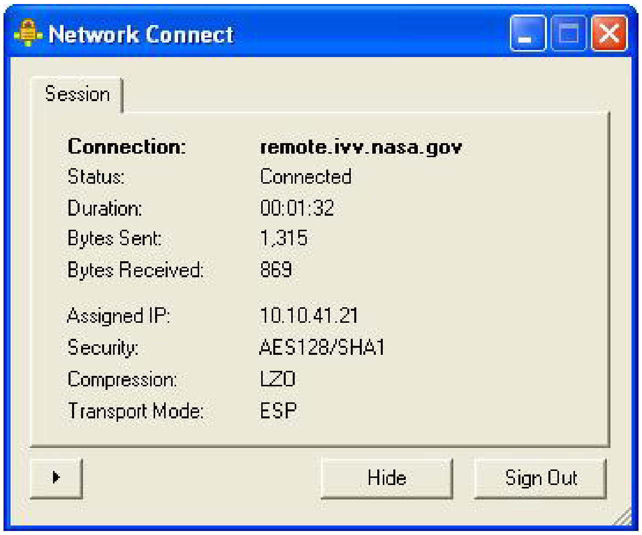
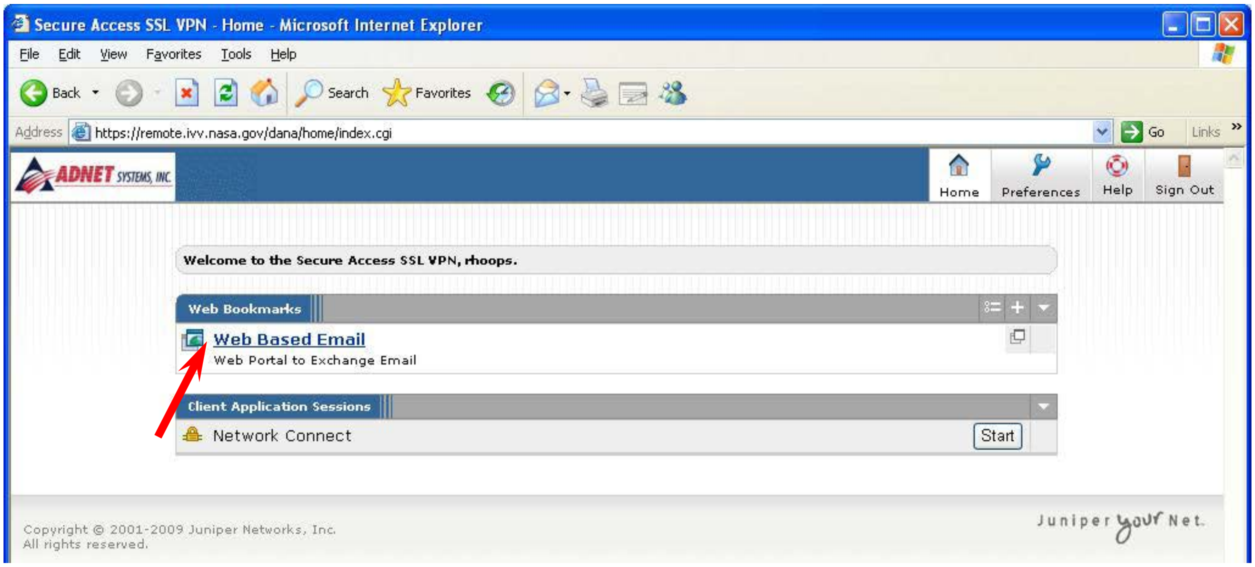
Clicking this icon displays several options including "Basic View," which is displayed on the next page



Connection:	**remote.ivv.nasa.gov**
Status:	Connected
Duration:	00:01:32
Bytes Sent:	1,315
Bytes Received:	869
Assigned IP:	10.10.41.21
Security:	AES128/SHA1
Compression:	LZO
Transport Mode:	ESP

This window will be displayed upon successfully establishing a connection.
Click the "Hide" button to hide this window, or click "Sign Out" to disconnect from the VPN.



https://remote.ivv.nasa.gov/dana/home/index.cgi

Welcome to the Secure Access SSL VPN, rhoops.

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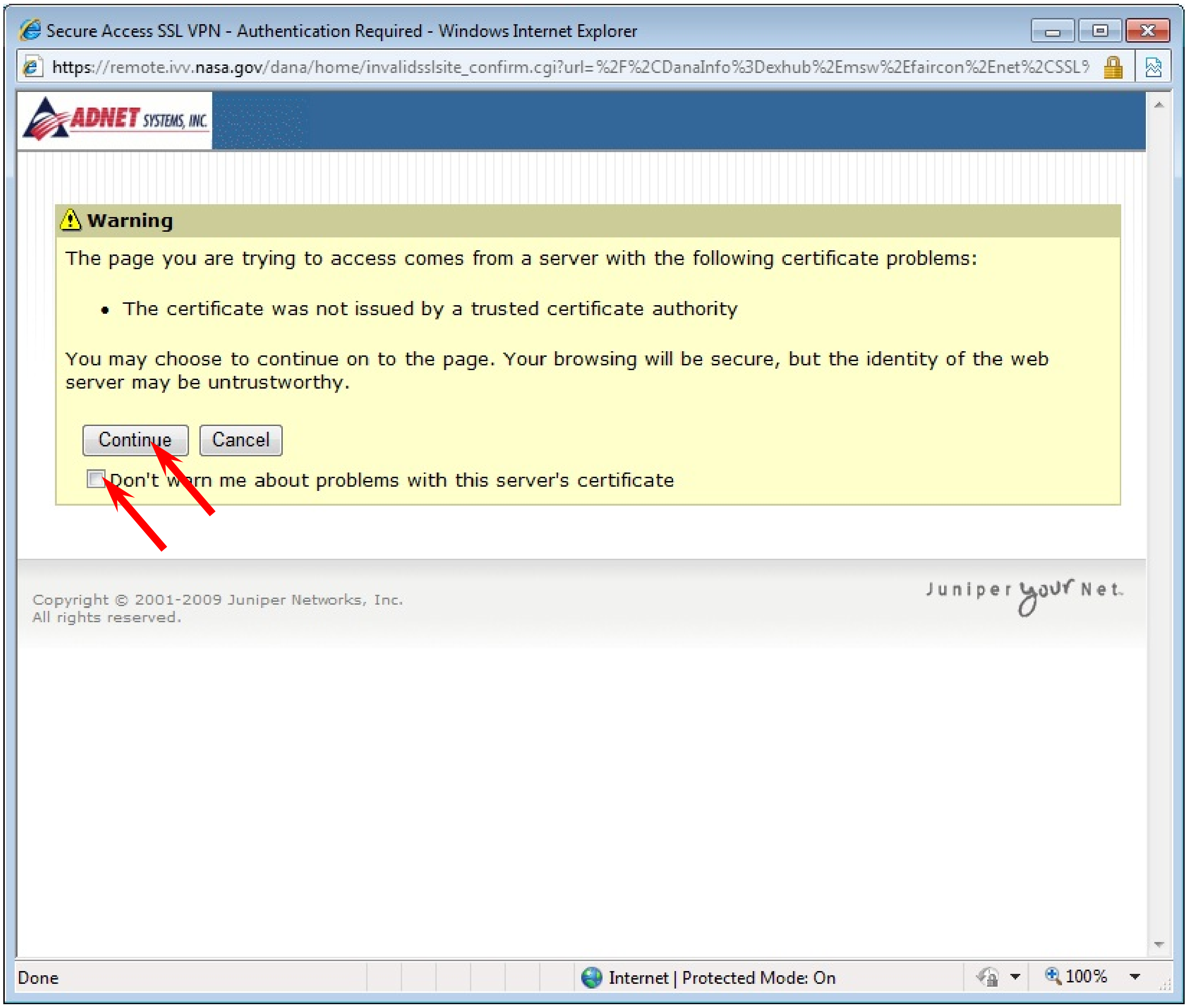
All rights reserved.

Going back to the home page shows several available options as well as some default shortcuts provided automatically. The Web Based Email link will take supported users to the Outlook Web Access portal, allowing them to send and receive Email using their Exchange accounts. Clicking the “Web Based Email” link will generate a security certificate warning as seen on the next page.



Secure Access SSL VPN - Authentication Required - Windows Internet Explorer
https://remote.ivv.nasa.gov/dana/home/invalidsslsite_confirm.cgi?url=%2F%2CDanaInfo%3Dexhub%2Emsw%2Efaircon%2Enet%2CSSL
ADNET SYSTEMS, INC.

Warning

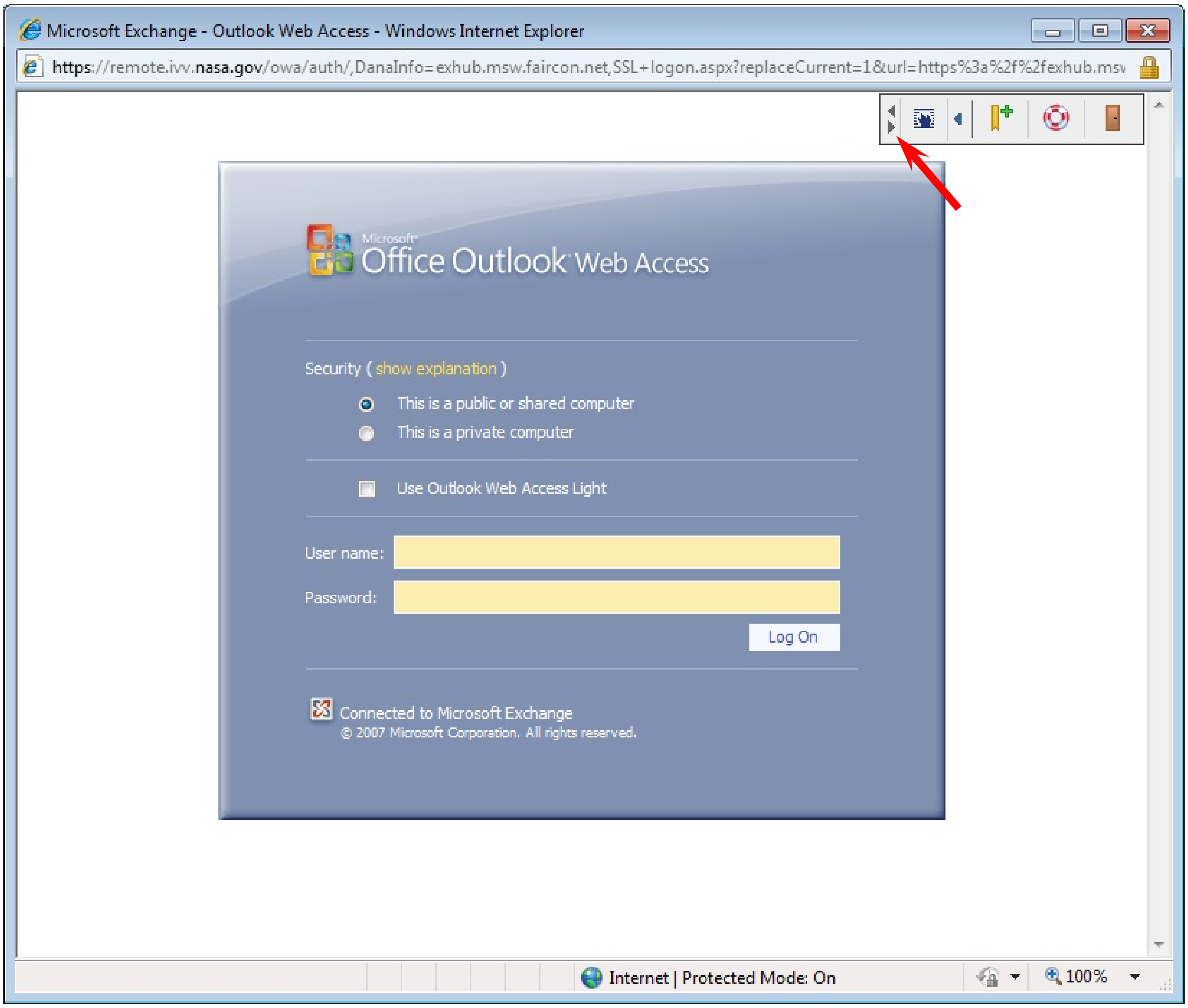
The page you are trying to access comes from a server with the following certificate problems:

- The certificate was not issued by a trusted certificate authority

You may choose to continue on to the page. Your browsing will be secure, but the identity of the web server may be untrustworthy.

□ Don't warn me about problems with this server's certificate

Click "Continue" to access the Outlook Web Portal.
You may also want to mark the option "Don't warn me about problems with this server's certificate."



Microsoft Exchange - Outlook Web Access - Windows Internet Explorer

https://remote.ivv.nasa.gov/owa/auth/,DanaInfo=exhub.msw.faircon.net,SSL+logon.aspx?replaceCurrent=1&url=https%3a%2f%2fexhub.msv

Microsoft Office Outlook Web Access

Security (show explanation)

● This is a public or shared computer

○ This is a private computer

□ Use Outlook Web Access Light

User name:

Password:

Log On

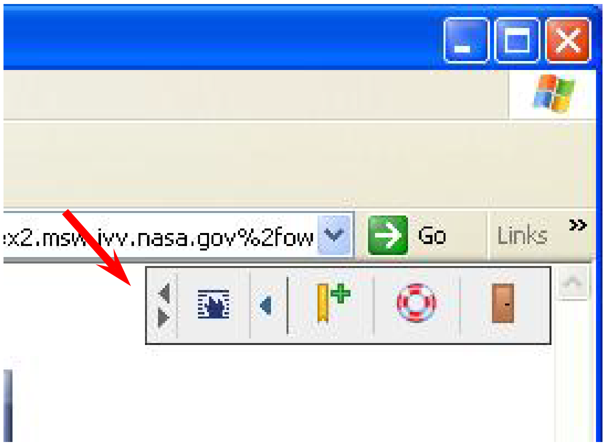
Connected to Microsoft Exchange
© 2007 Microsoft Corporation. All rights reserved.

Internet | Protected Mode: On

100%

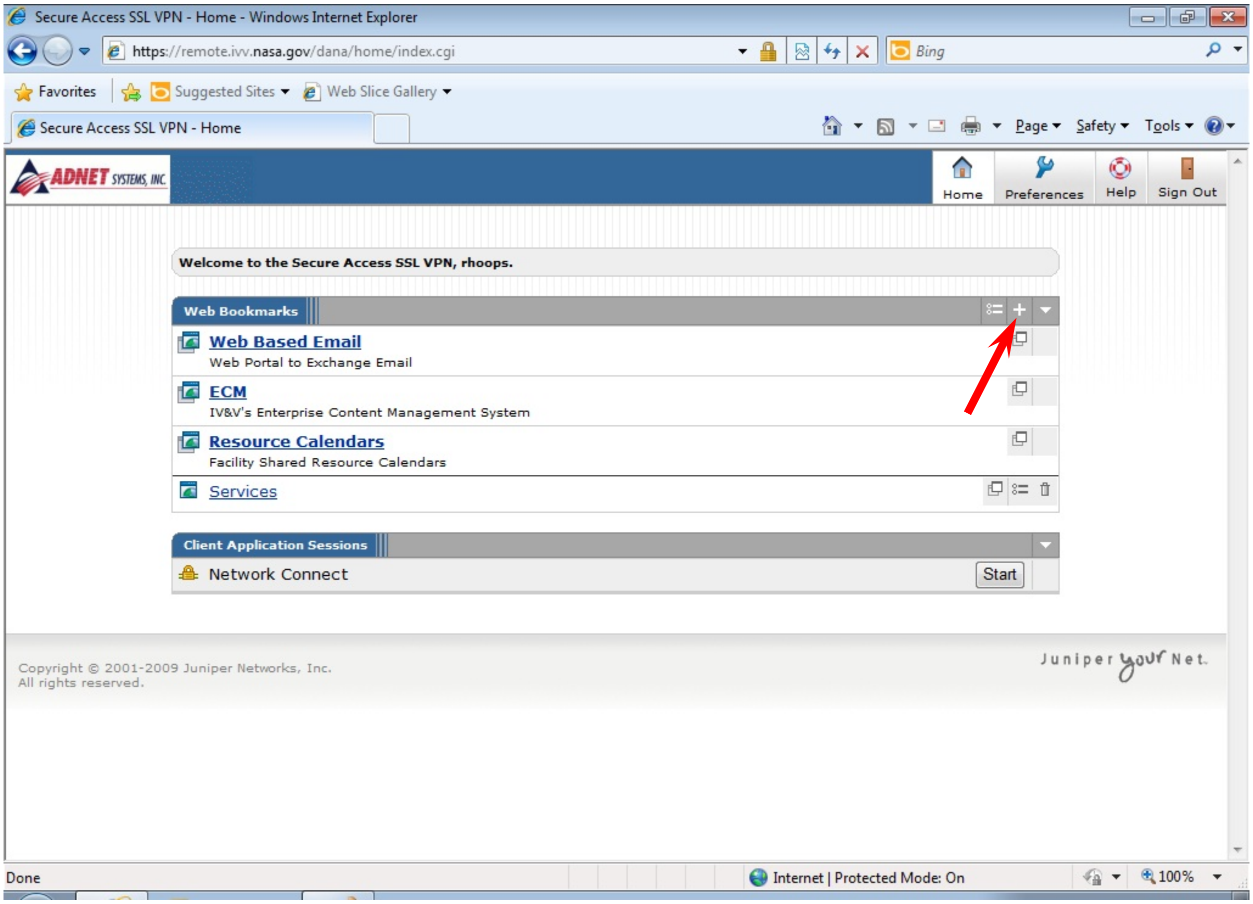
Log in to Outlook Web Access using the "DOMAIN\f_last" convention

In the example on the previous page, you can see a toolbar that will appear in the upper-righthand corner of each browser window that is opened through the VPN interface. This toolbar can be moved to either side of the screen by clicking the left- or right-facing arrows.



Other toolbar options (from left to right) include "Home," "Expand/Collapse," "Bookmark this Page," "Help," and "Sign Out"

One last item to cover is the ability to add other Web links to your VPN home page. This is done by clicking the "+" icon as seen in the image below:


Secure Access SSL VPN - Home - Windows Internet Explorer
https://remote.ivv.nasa.gov/dana/home/index.cgi
Bing
Favorites
Suggested Sites
Web Slice Gallery
Secure Access SSL VPN - Home
Page
Safety
Tools
ADNET SYSTEMS, INC.
Home
Preferences
Help
Sign Out

Welcome to the Secure Access SSL VPN, rhoops.

Web Bookmarks

Web Based Email
Web Portal to Exchange Email

ECM
IV&V's Enterprise Content Management System

Resource Calendars
Facility Shared Resource Calendars

Services

Client Application Sessions

Network Connect — Start

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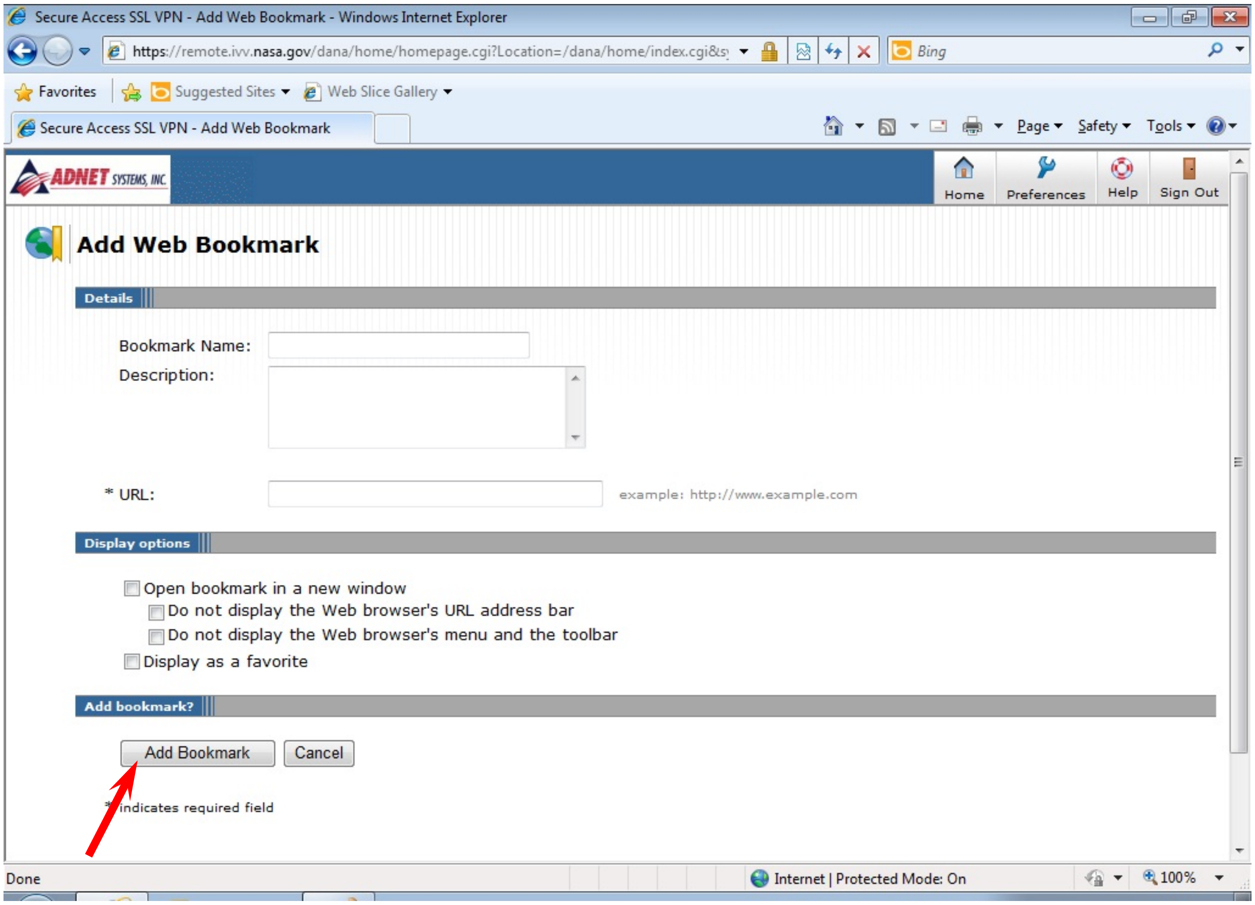
Juniper your Net.
Done
Internet | Protected Mode: On
100%


Secure Access SSL VPN - Add Web Bookmark - Windows Internet Explorer
https://remote.ivv.nasa.gov/dana/home/homepage.cgi?Location=/dana/home/index.cgi&s
Bing
Favorites
Suggested Sites
Web Slice Gallery
Secure Access SSL VPN - Add Web Bookmark
Page
Safety
Tools
ADNET SYSTEMS, INC.
Home
Preferences
Help
Sign Out
Done
Internet | Protected Mode: On
100%

Add Web Bookmark

Details

Bookmark Name:

Description:

* URL: example: http://www.example.com

Display options

□ Open bookmark in a new window
□ Do not display the Web browser's URL address bar
□ Do not display the Web browser's menu and the toolbar
□ Display as a favorite

Add bookmark?

* indicates required field

The desired URL is the only information required to create a web link;
however, you may wish to enter additional information such as name and description.
Click “Add Bookmark” to add the link to your home page.

In addition to the features explained here, users can utilize Microsoft’s Remote Desktop Client to access their ADNET-supported PCs or the Terminal Server located in the NASA IV&V Facility. All features previously available through VPN still function as normal.

For a list of compatible Anti-Virus clients, please visit:

http://www.nasa.gov/centers/ivv/foremployees/employees_ra_requirements.html

Should you encounter difficulty, please contact:

NASA IV&V Help Desk

304.367.8237